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DBell

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Andrew Eric Carlson      Art Unit : 2877  
Serial No. : 09/940,076      Examiner : M. Lyons  
Filed : August 27, 2001  
Title : MONOLITHIC MULTIAXIS INTERFEROMETER

Commissioner for Patents  
Washington, D.C. 20231

**RESPONSE**

Dear Sir:

In response to the office action mailed on November 26, 2002, please amend the application as set forth below and consider the following remarks.

**In the claims:**

Please amend claims 1-7, 10, 14, and 20 to read as follows:

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1. (**Amended**) A multi-axis interferometer comprising an optically transmissive monolith having a multiplexer portion and a beam splitter portion,

said multiplexer portion being configured to split an input beam into a corresponding plurality of intermediate beams, each of which has a measurement component having a first polarization and a reference component having a second polarization, each of said intermediate beams being directed toward said beam splitter portion through a corresponding output port of said multiplexer portion;

said beam splitter portion being configured to direct said measurement component along a measurement path and to direct said reference component along a reference path.

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

February 19, 2003  
Date of Deposit  
Signature Carla F. O'Fexile  
Typed or Printed Name of Person Signing Certificate